Knight Accessory Power Supply Installation Guide

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ELECTRICAL CONNECTIONS

The Knight Accessory Power Supply configuration may vary depending on which options are included (light, heated syringe, scaler, console receptacle). The model shown in Figure 1 includes all available options. Follow the instructions as they apply to your unit.

Power

(1) Plug wire harness (1, Figure 2) ***[from J-box receptacle]*** into connector (A) ***[on power supply]***.

Light

(2) Connect light wiring harness (2) ***[from umbilical]*** to connector (B) ***[on power supply]***.

Scaler

(3) Connect scaler wiring harness ***[not shown]*** to connector (C) ***[on power supply].***

Heated Syringe

(4) Connect heated syringe wiring harness ***[not shown]*** to connector (D) ***[on power supply].***

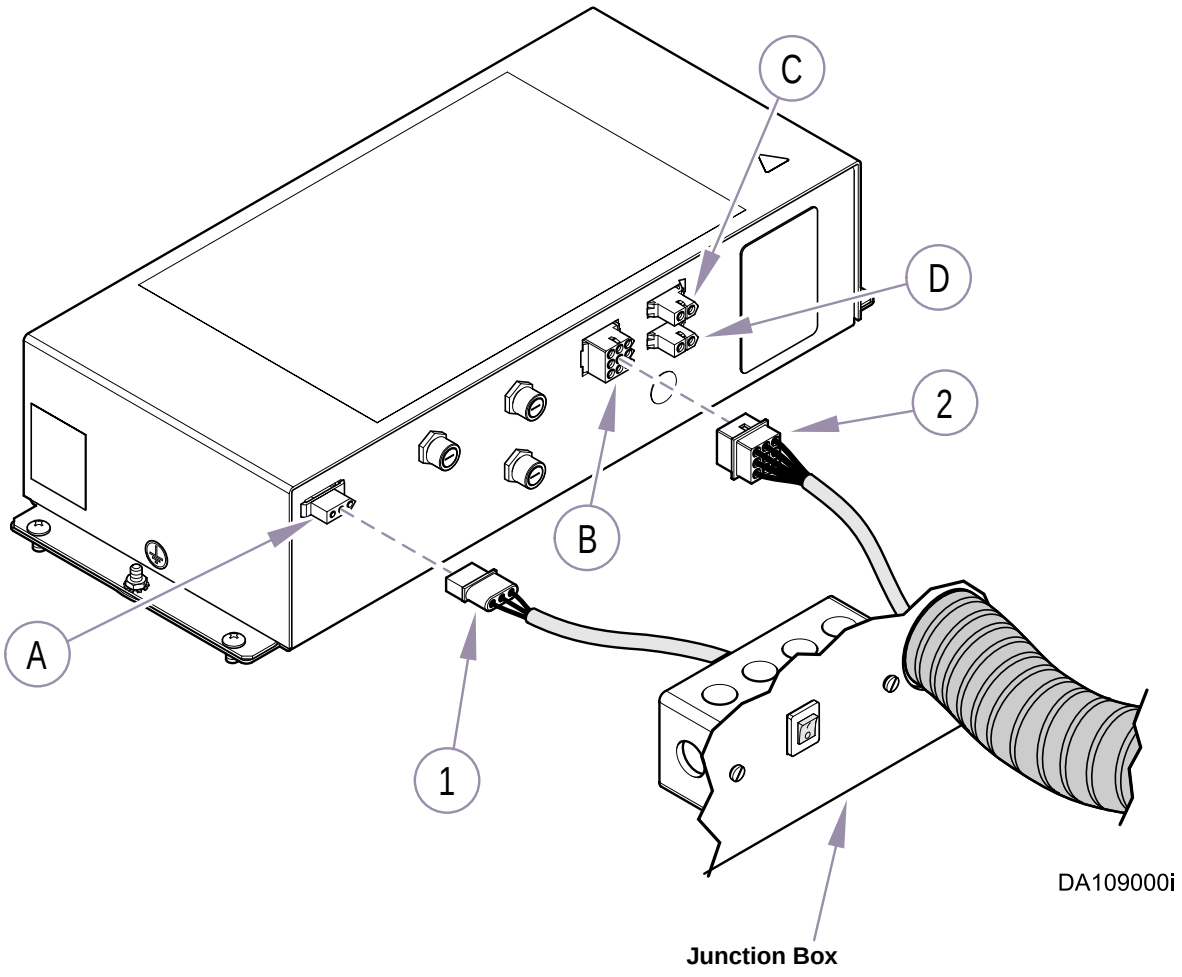

Figure 1. Electrical Connections

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TUBING CONNECTION

ATTENTION!
Only units that include a heated syringe will have an air pressure switch on the power supply.

(1) Cut 1/8 in. red tubing (1, Figure 1) ***[between air and water master pilot shut-off valves]***; then connect both ends to tee fitting (2) ***[1/8 in. red tubing from power supply]***.

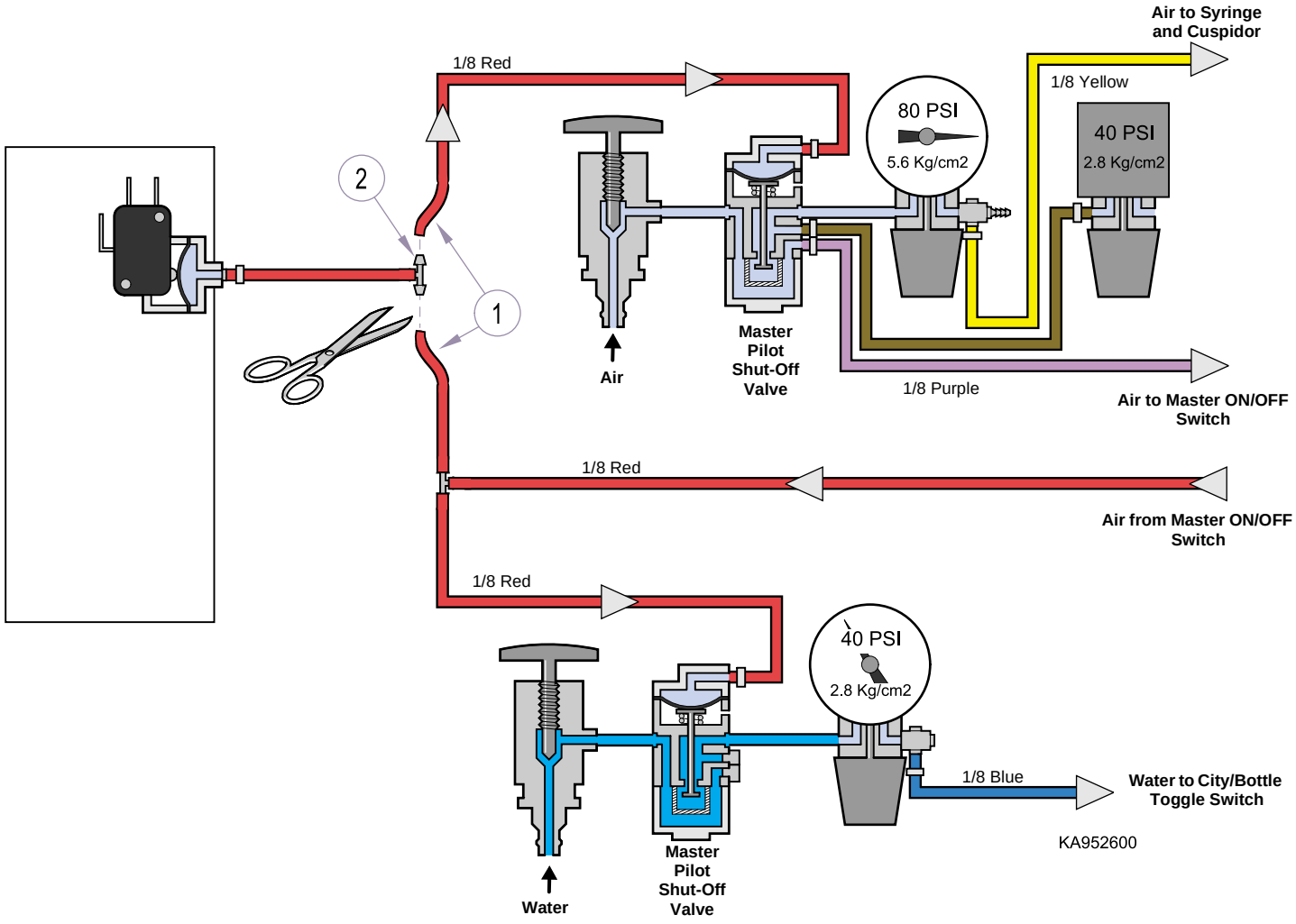

Figure 2. Tubing Connection for Air Pressure Switch
[Units with Heated Syringe only]

SPECIFICATIONS

Description **Data**

Dimensions: ..... 14.5 in. (36.8 cm) L x
6.1 in. (15.5 cm) W x
3.2 in. (8.1 cm) H

Electrical Requirements:

115 VAC Models..... 115 VAC ±10%, 50/60 Hz
3 amp, single phase

230 VAC Models..... 230 VAC ±10%, 50/60 Hz
1.5 amp, single phase

Fuse Specifications
***[See Figure 3 for locations]*:**

Light..... 1.5 amp, 250 VAC
1 1/4" x 1/4", 3 AG Slo-Blo

Heated Syringe
115 VAC ..... 0.5 amp, Bussman MDL Series
1 1/4" x 1/4", Glass Dual Element Time Delay
230 VAC ..... 0.25 amp, Bussman MDL Series
1 1/4" x 1/4", Glass Dual Element Time Delay

Scaler
115 VAC ..... 1 amp, 110 VAC
1 1/4" x 1/4", 3 AG Fast Acting
230 VAC ..... 0.5 amp, Littlefuse Type 312.500
1 1/4" x 1/4", 3 AG Fast Acting

Classifications: ..... Class 1, Type B Applied Part,
Ordinary equipment

Certifications:

Midmark Corporation..... ISO-9001 Certified

115 VAC Unit UL2601-1
CAN/CSA 22.2, #601.1-M90

230 VAC Unit
Complies to applicable
revisions of: .....MDD 93/42/EEC, Annex VII &
EN60601-1, EN60601-1-2,
EN60601-1-4

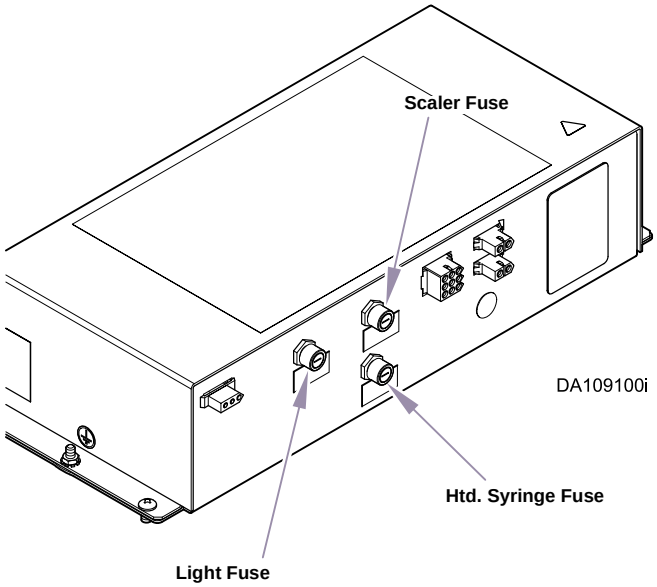

Figure 3. Fuse Locations

TRANSPORTATION / STORAGE CONDITIONS

- Ambient Temperature Range:.....-22°F to 140°F (-30°C to 60°C)
- Relative Humidity.....10% to 90% (non-condensing)
- Atmospheric Pressure .....500hPa to 1060 hPa (0.49atm to 1.05atm)

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